

Appl. No. : 10/573,437
Filed : March 24, 2006

AMENDMENTS TO THE SPECIFICATION

Please replace the heading at page 2, line 28 of the specification as published with the following corrected heading:

PURPOSE AND MOST ESSENTIAL FEATURES OF THE INVENTION BRIEF SUMMARY OF THE INVENTION

Please replace the paragraph at page 2, line 30 – page 3, line 3 of the specification as filed with the following corrected paragraph:

The purpose of the invention is to eliminate the shortages described above by providing a new type of explosive attachment device to be used for mounting of different mechanical components, e. g. vehicle doors, thus that the component when needed can be separated by means of a detonation without causing the passengers any risk, and of the type which is built in such a manner, that an explosive attachment element pulls apart an attachment screw mounted therein by means of detonation without causing metal splinters or a violent shock effect and which attachment element is provided with a built in delayed-action firing device, which is therefore protected and in working order independent of external conditions. In one embodiment, This has been achieved in that the explosive bolt according to the invention has been given the features defined in claim 1 comprises an explosive attachment device for mechanical connections of components, internally equipped with an explosive charge, the detonation shock effect of which is strong enough for rupturing a connection forming part of the attachment device, for a rapid disconnection, characterized therein, that the attachment device incorporates an attachment screw (2), which extends through the interconnected components (1) and an explosive attachment element (4- 14) in which the attachment screw (2) is fixedly mounted, thus that the interconnected components (1) are clamped between the head of the said attachment screw (2) and the explosive attachment element (4-14), which explosive element (4-14) comprises a cylinder (4), which is closed by means of a cover (5), which engages against one

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of the interconnected components (1) and a piston (6) mounted in the cylinder (4), which has substantially the same outer diameter as the inner diameter of the cylinder (4), and which piston (6) is arranged inside the cylinder (4) thus that there is a substantial space at both sides of the piston (6), whereby in the space between the piston (6) and the bottom of the cylinder (4) is provided a circular row of small holes (14) in the wall of the cylinder (4) at a distance from the bottom of the cylinder (4), which is at least equal to the height of the piston (6) at its biggest diameter and which piston (6) is provided with a rod (7) with a substantially smaller diameter than the inner diameter of the cylinder (4) and which rod (7) extends in parallel to the longitudinal mean axis of the cylinder (4) through the cover (5), but not outside this, thus that the attachment screw (2) can be fixedly mounted in the rod (7) and in which cylinder (4) in the space between the piston and the cover (5) is arranged the explosive charge (9), which is provided with a firing device (10, 11, 12,13), which is equipped with a delay mechanism, whereby the attachment device after a time delay is arranged to be blasted in such a manner, that the blasting pressure is converted to a pulling stress, which acts upon the attachment screw (2) to be pulled off without the other part of the device being splintered.

Please insert the following heading at page 3, line 4 of the specification as published:

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING